

PSC contact: Judith Klug 608/267-1204

**2004 Incumbent Local Exchange Company
Infrastructure Data Request
Data Request A**

Information is to reflect the status as of December 31, 2004. Where specific numbers are not available in your records, estimate your answer and indicate this by noting "EST" on this form after your answer. Please make sufficient copies of this page to accommodate answers for all your exchanges. Percentages may be shown to the nearest decimal. Electronic answer forms are available on the PSC web side at:
<http://psc.wi.gov/utilityinfo/tele/infrastructureCompetitive/infrastructureDataRequests.htm>

Answer all questions for each area listed. Use NA for any response that does not apply to the company service offering.

Exchange Name					
Exchange ID					
A1	Estimate the percentage of access lines in each exchange served by fiber anywhere in the feeder* part of the loop. <i>Insert percentage.</i>				
A2	Estimate the percentage of access lines in each exchange that are served by fiber anywhere in the distribution* part of the loop. <i>Insert percentage.</i>				
A3	Estimate the percentage of DS-1 equivalent interoffice circuits* from this exchange that are on fiber facilities. <i>Insert percentage.</i>				
A4	Has your company deployed any Passive Optical Network (PON)* design within the exchange? <i>Indicate yes (Y) or no (N).</i>	Y	N	Y	N
A5	Does your company provide fiber to the premises to any residential customer in this exchange? <i>Indicate yes (Y) or no (N).</i>	Y	N	Y	N
A6	If your company offers broadband* service in this exchange, do customers have a choice of tiered speeds of data transmission in different price ranges? <i>Indicate yes (Y) or no (N).</i>	Y	N	Y	N
A7	If your company offers DSL in this exchange, indicate the percentage of customers within the distance and technology limits of DSL. <i>Insert percentage. Indicate NA if DSL is not offered.</i>				
A8	Has your company deployed Synchronous Optical Network (SONET)* facilities in this exchange? <i>Indicate yes (Y) or no (N).</i>	Y	N	Y	N
A9	Is this exchange part of a SONET ring*? <i>Indicate yes (Y) or no (N).</i>	Y	N	Y	N
A10	Does your company use Wave Division Multiplexing (WDM)* in this exchange? <i>Indicate yes (Y) or no (N).</i>	Y	N	Y	N
A11	What percentage of your company's access lines in this exchange is served by Digital Line Carrier (DLC)*? <i>Insert percentage.</i>				

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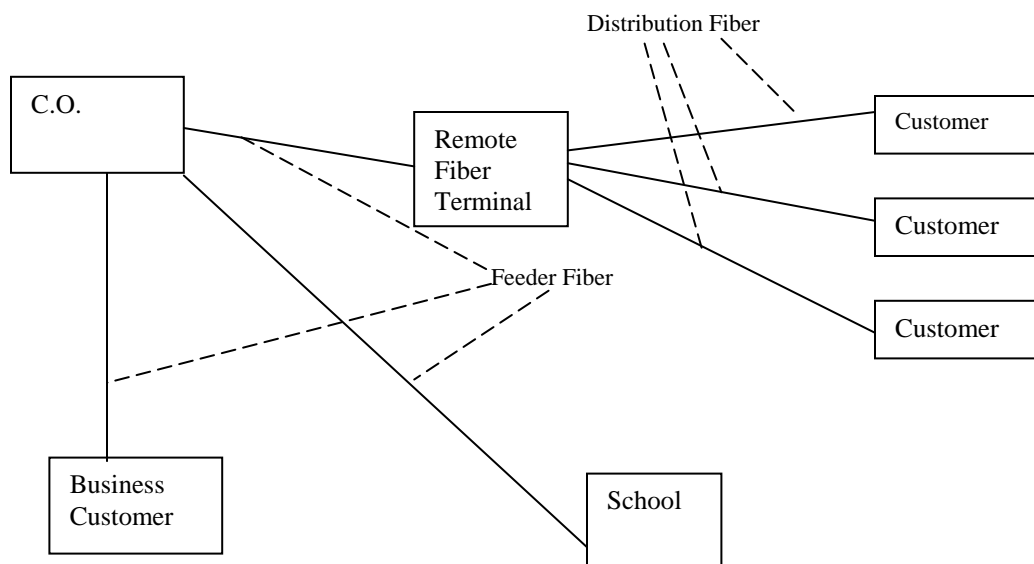
Exchange Name							
Exchange ID							
A12	Does your company offer a voice, data and video package (often referred to as triple play) to customers within this exchange? <i>Indicate yes (Y) or no (N).</i>	Y	N	Y	N	Y	N
A13	Does your company provide any customers in this exchange with voice and/or broadband service using wireless technology? <i>Indicate yes (Y) or no (N).</i>	Y	N	Y	N	Y	N

Completed By _____ Telephone _____

Title _____

*DEFINITIONS AND DESCRIPTIONS:

Questions A1 and A2 The sketch below indicates examples of feeder and distribution fiber:



The feeder fiber portion of the loop is defined as fiber cable originating in the central office and terminating at an intermediate distribution point or terminating directly at the customer premises. The distribution fiber portion of the loop is the fiber from the serving area interface to the customer drop wire. This would include Fiber to the Premise and Fiber to the Home designs

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Question A3 DS-1 equivalent circuits refer to the number of channels terminating over fiber cable (e.g., 1-DS1=24 channels).

Question A4 Passive Optical Network (PON) design refers to a fiber optic network without active electronics, such as repeaters, to deliver optical signals to multiple terminal devices within the fiber network.

Question A6 Broadband refers to high-speed transmission services, which allow access to the internet and internet related services at significantly higher speeds than traditional modems. For a more definite guideline use the RUS definition of broadband as two-way data transmissions of 200 kbps or more. Broadband facilities include DSL, cable modem, satellite, fixed wireless, or fiber technology for a connection to the internet.

Question A8 SONET deployment is defined as the presence of any SONET equipment in the central office. The office may or may not be part of a SONET Ring.

Question A9 Answer "yes" if the exchange is part of a SONET Ring and provides SONET type services within the exchange.

Question A10 Wave Division Multiplexing refers to the use of multiple wavelengths of light on the same fiber to increase the capacity of fiber-optic data transmissions systems.